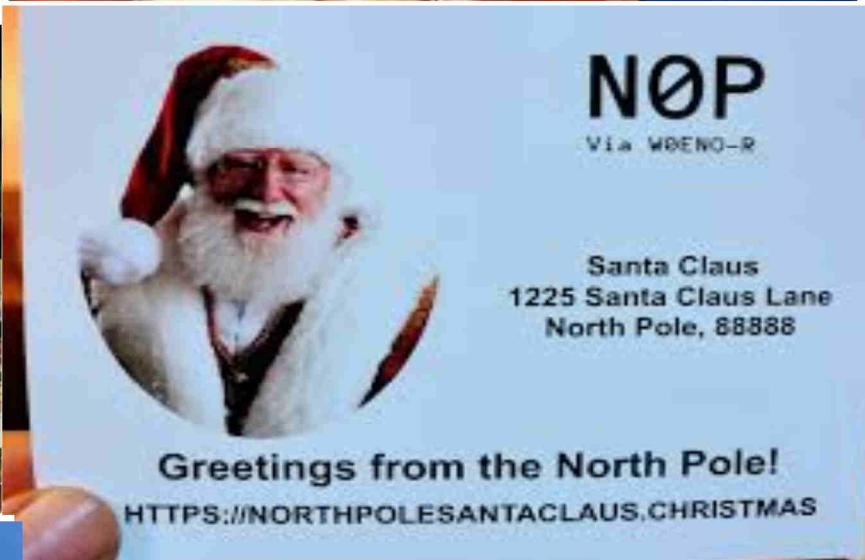
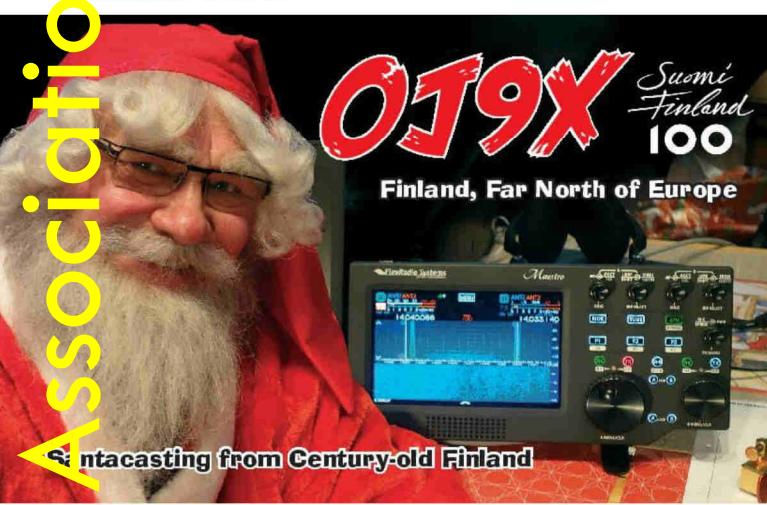
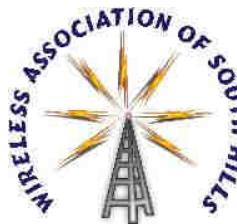




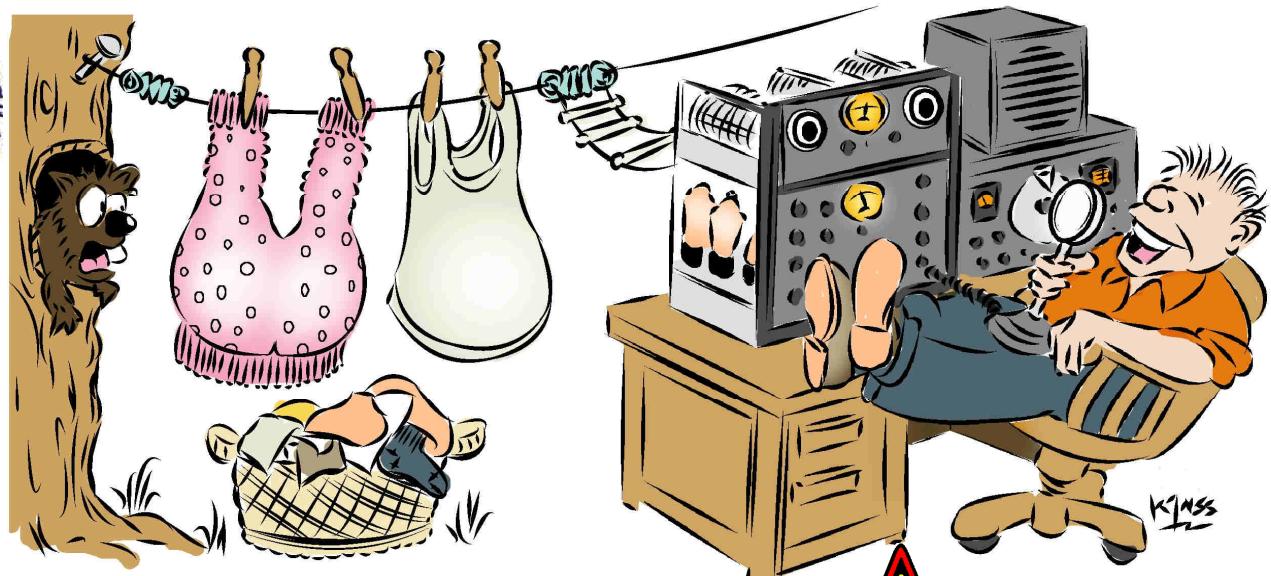
WASHRAG™



N3SH WA3SH NP2SH/B



Wireless Association of South Hills



WASHRAG™



VOLUME 24 ISSUE 12

DECEMBER 2022

Next Monthly Meeting: Thursday, December 1st, 2022

The next scheduled meeting of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. will be on **Thursday, December 1st, 2022**, starting at 7 PM, at **PANERA BREAD Galleria Mall**, 1500 Washington Road, Mt. Lebanon PA 15228. Room will be available to us starting at 6:30 PM for anyone who'd like to get dinner, or just nosh, before the meeting.

Topics Include: 2023 Officer's Elections, Field Day 2023, **WASHFest 2023**, **WASH** 2023 planning, and more.

See you there!

Cover: OK, we get it, Santa has been around for a long, long time... but just how many calls does this guy have, anyway?

A small collection of "Santa QSL Cards" Images from multiple sources

WASH 2022 OFFICERS

EXECUTIVE COMMITTEE:

President	Curtis Turner KB3CMT
VP / Secretary	Nathan Suehr KC3GMM
VP / Treasurer	Mark Stabryla N3RDV



AND WE COULDN'T DO IT WITHOUT:

N3SH Trustee	Larry Comden K3VX
WA3SH Trustee	Rich Danko N3SBF
NP2SH Trustee	Paul Jordan NP2JF
N3SH WA3SH NP2SH/B QSL Manager	Ron Notarius W3WN
NP2SH 2009 QSL Manager	Carl Schroeder K9CS
VE Team Liaison	Grant Olson KC3MLC
Webmaster	Curtis Turner KB3CMT
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Chuck Bihun KC3ELA
WASHFest 2022 Committee	Glenn Roberts KE7FD, Co-Chair
Activities & Operating Events	Bill Hill W3WH, Co-Chair
Ways & Means	Paul Lusardi NØVLR, Co-Chair
WASH 2M Contest Chair	Rick Bell KB3IAC
Field Day 2022 Coordinator	Carol Darko KB3GMN
	Chuck Bihun KC3ELA
	Glen Roberts KE7FD

CLUB-AFFILIATED REPEATERS, BEACONS, & DIGIPEATERS:

Mt. Lebanon	N3SH / R	146.955 MHz (-)	PL 131.8
North Side	N3SH / R	442.550 MHz (+)	PL 131.8
Canonsburg	N3FB / R	443.650 MHz (+)	PL 131.8
St. Johns, VI	NP2SH / B	28.276 MHz	Propagation Beacon
Canonsburg	N3SH	144.390 MHz	APRS Digipeater

N3SH / WA3SH WASHNet, the weekly on-air net of **WASH**, meets every **Monday** Night, 8:00 PM ET, on the 146.955 & 443.650 repeaters.

All radio amateurs, **WASH** members or not, are welcome to join in!

THE LEGAL STUFF

"The WASHRag™" (formerly **"The Mariner™"**) is the Official Newsletter of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. (WASH), a 501.C.3 not for profit organization.

Published Monthly with occasional Special Editions as warranted.

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Editor & Publisher: Ron Notarius W3WN

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Ron Notarius W3WN
3395 Rosewood Drive, Castle Shannon, PA 15234-2546
e-mail: newsletter at n3sh dot org or w3wn at arrl dot net

"The WASHRag", **"The Mariner"**, SHARFcfest, South Hills Hamfest, **WASHfest**, **WASHfest 2022**, **N3SH Net**, **WA3SH Net** and **WASHNet** are ™ trademarks of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

The WIRELESS ASSOCIATION OF SOUTH HILLS, INC. was founded on August 23rd, 1993, as the original **SOUTH HILLS AMATEUR RADIO CLUB**, and operated under that name through 1998. WASH was also known briefly in late 1998 as the **N3SH AMATEUR RADIO CLUB**. It is not in any way affiliated with the "South Hills Amateur Radio Club, Inc." and is not responsible for that group, its members, or its actions in any way, shape, or form.

As always, special thanks to the owners & operators of both the N3SH/R Repeaters and the N3FB/R Repeater System for permitting the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. and its members to use their repeaters for club purposes.

WASH Amateur Radio Club News Briefs

Next WASH VE Test TBA

The Next WASH VE exam session will be on **Saturday, September 24th, 2022, 12:00 Noon**, at **Sunset Hills Grove, South Park, 100 Acres Drive at Texas Road, South Park Township**. Talk-in on the 146.955 MHz repeater. All examiners are ARRL VEC affiliated.

Pre-registration is encouraged. Walk-ins taken on a space/time available basis.

If you plan on attending the test session, please contact VE Team Liason Grant Olson KC3MLC: kgo@grant-olson.net

Please bring the following to your test session:

- + Picture ID or other suitable identification (2 forms of ID required)
- + Pen / Pencil / Calculator
- + Original FCC license plus a copy of license (if upgrading)
- + Original CSCE plus a copy of CSCE (if upgrading)
- + Check in the amount of \$15.00 (payable to: ARRL VEC)

Note that the FCC now only accepts FRNs as identification numbers. If you don't have an FRN, please create one in advance at <https://apps.fcc.gov/coresWeb/publicHome.do>

Future test dates: To Be Determined

Curtis's Reflections

The meeting for December 1st will be held at the Panera in the Galleria Mall, 1500 Washington Road Mount Lebanon, PA 15228. I tried to book a few other places but things were filling up fast. I have the room booked from 6:30 till 9pm. I hope to see you there. We did miss the October and November nominations and voting.

As per our By Laws:

B. The Officers of the club will be elected at the regular November club meeting.

1. The election of officers will be by secret ballot,
2. The term of office shall be as follows:
 - a. President: 1-Year.
 - b. Vice-President/Treasurer: Two years, elected in odd-numbered years.
 - c. Vice-President/Secretary: Two years, elected in even-numbered years.

I suspect that we can correct this at our meeting this week. That said consider this an open call of nominations for the positions of President and VP / Secretary.

— 73, Curtis Turner KB3CMT
President, WIRELESS ASSOCIATION OF SOUTH HILLS, Inc.
N3SH / WA3SH / NP2SH



Reminder: The December WASH Meeting location will again be Panera Bread at the Galleria Mall, 1500 Washington Road (US 19) in Bethel Park. Meeting begins at 7 PM; the room is available to us starting at 6:30 PM. Remember, our hosts are letting us use the meeting room gratis, so please return the favor and grab a bite or a sandwich or dinner before the meeting begins!

Happy Holidays! Hard to believe that it's December and the Holiday Season already... where did the time go? Where did the propagation go? Where did the DX go? Where did the bank account go? (Oh yes, the Boss is buying stuff for the grandkids. Again.)

The annual **WASH 2 Meter Simplex Contest** is coming up this January 14th, the Saturday evening (EST) of the weekend prior to the ARRL January VHF Contest. Full rules for 2023 are on Page 6 — and please note the addendum! A PDF of the rules, log sheets, and so forth will be available on the WASH website within the next few days, if it's not already there!

We also hope to have more information about the **2023 Breezeshooter Groundwave Contests** next month as well. We've been told in the past that our "best guesses" based on past years hasn't always been accurate... OK, fair enough. We want to get it right, so we'll wait until we hear something official!

And needless to say, **WASHFest** isn't that far behind. Carol KB3GMN is hard at work putting the 2023 event together. First Prize has been picked! She's now looking for other prize suggestions, and is just in the beginning of organizing things. So help and suggestions are very much appreciated. We didn't expect to be THIS long a gap between local hamfests this year, but it happens. And because of that, we have an opportunity to have a REALLY big bash this year! We're all really looking forward to it, so: Now is the time! Let Carol know where you can help, what you can do; spread the word, whatever it takes (within reason) so we can make another great hamfest next February!

As you may have heard, there was an oversight, and the **2023 Officer Nominations and Elections** didn't happen. (No, the "My Pillow" guy didn't complain that they were stolen!) It was, needless to say, an unfortunate oversight. Fortunately, there is plenty of time to correct it — at the December meeting. President (1 year term) and Vice President/Secretary (2 year term) are on the docket. So we hope to see you at the meeting and ready to cast your ballot... and no news media pundits around, either.

So what's up for next year? Breezeshooter's, **WASHFest**, other area/regional hamfests, Hamvention, Field Day, contests, antenna projects, new rigs, rebuilt rigs, new hams to greet and old acquaintances to meet again, and who knows what else! Looking forward to it? We sure are!



Miss Finnley Says (Translated from the woofs): Merry Christmas! And please submit articles and pictures to the newsletter, so that they don't make pose for any more silly pictures like this!

News reports out of Xenia, OH, indicate that the Ramada Inn in Downtown Xenia has closed and will not be available for Hamvention 2023. (The city is reclaiming the land and plans to expand some other business development on the site).

Have you firmed up your room reservations for Hamvention 2023?

Join WASH or Renew your Membership Today! Membership Application on Page 11

Minutes, November 3rd Meeting

Nathan Suehr KC3GMM, Vice President / Secretary, WASH

This was a Zoom online meeting

Call to Order: 19:06. Presiding Officer: Curtis KB3CMT

16 members, no guests present.

Pledge of Allegiance, Moment of Silence for Silent Keys and others deserving.

Roll Call.

Committee Reports:

Treasurer: Mark Stabryla, (N3RDV): Report sent via email, read by Nathan (KB3GMM). Motion to accept by Del (W3DTP), seconded by Larry (K3VX). Carried.

Secretary: Nathan Suehr (KC3GMM): October minutes published in November newsletter. No corrections to minutes. Motion to accept by Bill (W3WH). Second by Jim (WB4GCS). Carried.

Repeaters: Jim (WB4GCS) – Working fine. Bill (W3WH): W3YQ (Tower Climber) is available if needed at St. Clair Hospital.

WASHNet: Charles (Chuck) Bihun, III (KC3ELA): Slow month. Starting at the end of November Chuck cannot regularly act as net control due to career change. He can start and maintain a schedule of folks willing to be net control. Contact Chuck (KC3ELA) if you can help.

Thursday Night Tech Net: Glen Roberts (KE7FD). Jim (WB4GCS) has a few topics that he'd like to share a presentation on. More to come.

Public Service: Mike (WA3PYU):

- + No public service. Things are slow until February Winter Field Day.
- + Would like to share video from Extreme Engineering about monopole structures in the wind, eliminating vibration. Can play video at next club meeting.
- + Kathy (KA3VXM): Bud (N3TIR) sent out an email with details for November 19th Simplex Drill. Reach out to Bud for more details.

Newsletter: Ron (W3WN): It's out. Not as big as the last few issues

Volunteer Examiners: Curtis (KB3CMT) for Grant (KC3MLC): Last VE Experience was good.

Ways & Means (including Member Contributions): Carol (KB3GMN): Send money!

WASHFest 2023: Carol (KB3GMN):

- + Del (W3DTP) is putting together a pamphlet for the hamfest in order to sell ads within.
- + First prize has been selected and we have enough prize tickets and 50/50 tickets. First prize is Yaesu FTDX 710.
- + Need to check to see if tables are needed.
- + MFJ catalog and door prizes on the way.
- + Del (W3DTP) - Requesting permission to sell ads for hamfest program handout.
- + Jeff (N3JDF) with a suggestion to print info about the hamfest schedule and other info such as upcoming VE session dates.
- + Bill (W3WH) with a motion to give Del (W3DTP) permission to begin selling ads. Second by Mike (WA3PIU). Voted and carried.

Contests: Larry (K3VX): (no report)

President's Report - Curtis (KB3CMT): (No report)

New Business:

- + Chuck (KC3ELA): 2m contest coming up on the second weekend in January. Official rules to be published soon.
- + Larry (K3VX): Used an FTDX 10 at PA QSO and radio performed well but menus are complex. Bill (W3WH) agrees.
- + Mike (WA3PIU) - Is the WACOM hamfest cancelled? Several attendees: Yes.
- + Bill (W3WH) - Our hamfest may be well attended since WACOM isn't having one.

Old Business:

- + Kathy (KA3VXM) - A restaurant in Caste Village has a meeting room available. Will look into it.
- + Bill (W3WH) - Has Beam antenna committee finished research? Jim (WB4GCS) will reach out to Frank (N3FB) and ask.
- + Bill (W3WH) - Are club officer nominations due? Curtis (KB3CMT) and Nathan (KC3GMM) to research bylaws and see if Secretary position needs to be filled. Nominations and elections to be held together at next meeting.
- + Chuck (KC3ELA) - May not be able to make it to Field Day and must withdraw from committee. Cannot camp at hamfest but Charmel may be able to fill in at hamfest and field day.

Good of the order:

Larry (K3VX) - On the front cover of the latest QST you can see the tower on the left side which was constructed by W3YQ. He is available and willing to help if the club needs assistance with the repeater tower.

Jim (WB4GCS) - Don't think we need to climb the tower for anything but would like to get into the site.

WASH Spotlight: KC3MLC



"I made a YouTube video on my latest hobby project. Although it doesn't have a radio component, I thought members of the club who are interested in the maker aspects of the hobby and/or electronics might appreciate it.

For your viewing enjoyment:

https://www.youtube.com/watch?v=nmYN3EZNI_g

Every month we're going to feature a **WASH** club member, something about them, something they're involved in or a club-related activity that we're involved in, in the **WASH Spotlight**.

Submissions for the Spotlight should be sent to Ron W3WN at n3sh@n3sh.org

Monthly WASH Breakfast



Please join us for the next **WASH** Breakfast! We usually get together on the LAST Saturday of every month for a chance to informally sit down, shoot the breeze, compare notes, drink lots of coffee, and just have a good time!

Join us this month at **Eat'n Park**, 3380 Washington Road (US 19), McMurray. Start time is about 8 AM until ????. Monitor 146.955 & 443.659 for talk-in or any last minute changes.

All are welcome, **WASH** members or not, amateurs or not!

Wireless Association of South Hills Membership

AA3MR	KC3MLC	NB3C	WASH FL	WASH TN	Silent Keys
AA3XY	KC3NFV	NL7XM	KA3UPY/M	K3OL	K3VX
AE3DL	KC3OCT	W3DTP	WASH NE	KE3XB	N3YPB
K3GW	KC3QZY	W3LE	NØPEU	WASH TX	N3LG
K3HCR	KC3RAA	W3WH	WASH OH	NB3C	KB3IJX
K3SGT	KC3RGV	W3WN	N8DPW	N3FQ	K3LIE
K3VX	KC3TDX	W8LEV	WASH OR	KB3NVL	Jane Wagner
K3WPL	KC4WTT	WA3PYU	KB3NVM	KB3NFM	KA3NMG
K6DWR	KC8ACK	WA3VSS	WASH SC	WASH VI	KB3ENX
KA3VXM	KE7FD	WB4GCS	N8NEU	NP2JF	KB3FNM
KB3BYA	NØVLR	Melissa			KB3FQT
KB3CMT	N3DFK	Greenwald			KB3JHQ
KB3GMN	N3FB				N3BPB
KB3GMU	N3IDH	Charlotte			N3CZZ
KB3GUZ	N3JSF	Peterson			N3FZ
KB3IAC	N3KFD	Charmel			N3HKQ
KB3IVX	N3RDV	Spirk			N3KEH
KB3JHR	N3SBF				N3OBD
KB3YCX	N3TDV				N3RNX
KC3ELA	N3UE				N3SKR
KC3GMM	N8NEU				N3ZEL

If your call
should be listed
here & isn't,
please contact
Mark N3RDV

Through November 27th, 2022
List compiled by

Mark Stabryla N3RDV, Vice President/Treasurer

Continued on Page 8

Club Meetings & Other Significant Events — Subject to Change

December 1 st	WASH Meeting	Panera Bread / Galleria Mall, 1500 Washington Road, Mt. Lebanon PA
December 2 nd - 4 th	ARRL 160 Meter Contest	https://www.arrl.org
December 10 th - 11 th	ARRL 10 Meter Contest	https://www.arrl.org
December 31 st — January 1 st	Straight Key Night	https://www.arrl.org
January 5 th	WASH Meeting	TBD
January 14 th	WASH 2 Meter Simplex Contest	Rules on Page 6 — Note the Addendum!
January 21 st - 23 rd	ARRL January VHF Contest	https://www.arrl.org
February 2 nd	WASH Meeting	TBD
February 18 th - 19 th	ARRL DX Contest CW	https://www.arrl.org
February 26 th	<i>WASHFest 2023</i>	Home Economics Building, South Park 3735 Buffalo Drive, South Park Township, PA 15129
	<i>WASHFest 2023</i> VEC Exams	
March 2 nd	WASH Meeting	TBD
March 4 th - 5 th	ARRL DX Contest SSB	https://www.arrl.org
March 25 th - 26 th	CQ WW WPX Contest SSB	https://www.cqwpx.com
April 6 th	WASH Meeting	TBD
May 4 th	WASH Meeting	TBD
May 19 th - 21 st	Dayton ARA Hamvention 2023	Hamvention.org
May 27 th - 28 th	CQ WW WPX Contest CW	https://www.cqwpx.com
June 1 st	WASH Meeting	TBD
June 24 th - 25 th	ARRL Field Day	https://www.arrl.org

23rd Annual WASH Two Meter Contest Rules

Here we go again, folks! This January will mark the Twenty-Third Annual **WASH** 2 Meter Contest. We're looking forward to a chance to stretch our legs, our wheels, and our antennas once again!

Join us for a fun operating event, where you can hear some old friends, and maybe make some new ones, as well as net yourself a free Door Prize Ticket for **WASHFest 2023** just for submitting a log! See you on the air!

- 73, Chuck Bihun III KC3ELA

Date & Times: Saturday, January 14th, 2022 from 7 to 11 PM EST. (That's January 9th 0000-0400 UTC to the purists!)

Objectives:

- ◆ To make as many contacts as possible
- ◆ To have fun!

Band, Mode & Frequencies: The contest will take place solely on 2 meter band.

◆ **FM** : FM simplex only, no repeater contacts. The FM frequencies are all standard 2 Meter simplex frequencies, as per the ARRL 2 Meter Band Plan, every **15 kHz**, from **146.505 to 146.595 MHz**, and **147.450 to 147.580 MHz**.

Use of simplex frequencies in the "FM Experimental Simplex" band of 145.510 to 145.670 are not recommended. See list of recommended simplex channels at the end of the rules.

- ◆ **CW:** 144.05 to 144.1 MHz Only. (See ARRL 2 Meter band plan)
- ◆ **SSB & AM:** 144.2 to 144.275 MHz Only. (See ARRL 2 Meter band plan)
- ◆ **Digital (including RTTY):** 144.51 to 144.55 MHz. (See ARRL 2 Meter band plan) Multiple digital modes may be used, and participants are free to use any generally accepted Digital mode, but only ONE Digital QSO with a given station regardless of mode

→ *Note: Listen for CW QSO's around 144.1 MHz 15 minutes after the hour*

→ *Listen for SSB & AM QSO's around 144.2 MHz 30 minutes after the hour*

→ *Listen for Digital QSO's around 144.51 MHz 45 minutes after the hour*

In the event of accidental QRM with nets and non-contest QSO's in progress, please respect their right to the frequency and QSY.

Power Limit: Maximum 100 watts output.

Exchange : Callsign, contact number, ZIP Code.

For the purposes of the contest, the 5 Digit ZIP Code for your location is sufficient — do not use the "Zip +4" code. Mobiles and portables should use the ZIP code of their location as determined to the best of their ability. Canadian stations will use their 6 digit postal code

Example 1: "N3ZCG from W8XK, please copy Number 3, 15347."

Example 2: "K3VX from K3CM, please copy Number 21, 16801"

Example 3: "W3WH from W3OC, please copy Number 7, 15137"

Contacts : Work as many different calls and locations as possible, giving Exchange as noted above. Work each station once per mode, and **once** per ZIP Code — Mobiles can be reworked whenever they change locations. Remember hilltops work best!

Disqualification: Remember, this is a friendly "for fun" contest. Stations may be disqualified for infractions of the rules and for unacceptable operating practices. While not an inclusive list, stations may be disqualified for:
• FM signals transmitted on simplex channels below 146.505 MHz.
• Intentional interference to non-contesters, nets, & QSO's.
• Intentional interference to other contest operators.
• The committee reserves the right to verify QSO's. QSO's that can not be verified may be removed from the log without penalty.

Scoring: Each Contact:

Phone (FM, SSB, AM):	1 point
CW:	2 points
Digital (any mode):	2 points

Multipliers:

Locations (Number of different ZIP Codes)

Power:

Stations running 10 watts output or less:	3
Stations running over 10 up to 30 watts output:	2
Stations running over 30 watts output:	1

Final Score: Total Points x Locations x Power

After the Contest: Fill out all the log information. In the upper left corner check whether "base" or "mobile." In the upper right corner be sure to enter your callsign and club affiliation (or "none" if not a member of any club). Please number all log sheets consecutively. Log sheets can be downloaded from the **WASH** web site, www.n3sh.org, no later than January 1st.

Submit Log Sheets: Check your log sheets carefully for dupes. Verify that all information is entered.

Send the logs to: **** Correct Address for 2023 ****

WASH 2 Meter Simplex Contest
c/o Charles Bihun KC3ELA
4144 Lebanon Church Road
West Mifflin, PA 15122

Enclose a #10 SASE for return of results.

Entry Deadline: February 1st, 2023

Each log submitted on or before the deadline will receive one (1) main prize ticket to WASHFest 2023

Logs submitted with an SASE will have their ticket mailed to them, otherwise, the tickets will be available at the **WASH** Club table

Recommended FM Simplex Frequencies:

146.505 MHz	146.580 MHz	147.510 MHz	146.520 MHz (*)
147.450 MHz	147.525 MHz	146.535 MHz	147.465 MHz
147.540 MHz	146.550 MHz	147.480 MHz	147.555 MHz
146.565 MHz	147.495 MHz	147.570 MHz	

Simplex channels below 146.505 MHz are not to be used, as many of these are in use in WPA as repeater input frequencies.

(*) The National Simplex Frequency, 146.520 MHz, may be used.

However, many stations use 52 for casual conversation or as a calling frequency. If the frequency is in use or becomes used by non-participants, please permit them to use the frequency unimpeded.

To avoid interference to other contestants and other users of the bands, please do not operate on 5 or 10 kHz "offsets" from these recognized FM channels.

More information about the frequency selection can be found in the FAQ section on Page 5 of the Contest Rules, Log Sheets, and other information found on the **WASH** web site, <http://www.n3sh.org>.

** Addendum **

It has been brought to my attention that the current rule set seems to neglect the extra efforts of the MOBILE stations which are brave enough to go forth into the cold weather in order to offer ALL stations fast paced thrills of operation, giving the fixed stations all the more opportunities to hunt down those contacts!

In order to reward those intrepid souls, **MOBILE stations will not be limited in transmitter power, and will be awarded an automatic X3 power multiplier in scoring (as if running QRP).** If actually running MOBILE QRP, an **X4 multiplier will be awarded!** I hope these changes will incentivize more people to go MOBILE, and make the event more fun for all!

73, Chuck Bihun KC3ELA





Another Tale of the Attic and Gutter

Canonsburg, PA, November 7th, 2022 – Antennas that is. This year for the first time in quite a while, I decided to see if anyone could hear me in the ARRL CW Sweepstakes Contest. I never planned to mount an all out effort staying up all night and eliminating everything else for the weekend and I didn't.

I got on shortly after the 5:00PM start time and amazingly the first two stations I called answered me. After that the going got tougher but the hook was set and I proceeded to operate a total of about 6 hours until Sunday evening ending up with 119 Q's in 57 Sections. That total surpassed my all hopes and expectations.

My two antennas were both in play with one frequently being better than the other but for the most part they were about equal. For those that don't know I live in a 4 story apartment and I have a Scorpion dipole in the attic. The Scorpion is usually used as a mobile vertical but mine consists of two verticals mounted horizontally as a dipole and it works from 80 to 10 meters. The other antenna is the rain gutter/downspout system of the building fed thru an Icom AH-4 tuner. The ground portion consists of an MFJ artificial ground with a counterpoise wire running around the perimeter of the balcony.

None of my results are very surprising except other missing sections for one thing. I operated QRP. Yes I used only 5 watts to make 119 Q's which included the west coast but not Hawaii or Alaska. I missed some usually easy sections including NNY, NLI, and SNJ. The other missing sections (there are 84 in total) were most of the sixes, sevens and Canada.

I am really blown away that you can do pretty well even with compromise antennas and 5 watts. I suspect that if I spent more time I might have gotten closer to a "Sweep".

The bottom line is that even after 66 years as a ham it's still exciting to be in the game even though I don't have the array of great antennas that I enjoyed at various times in years past.

What a great hobby!

Editor's Note: During this year's CQ WW DX Contest CW, Bill also achieved DXCC from this QTH using these same antennas. Congratulations!



GreenCube Designated Italy-OSCAR 117

AMSAT News Service

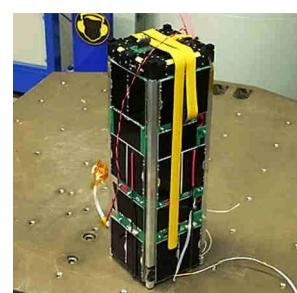
Paul Stoetzer N8HM, Editor

Washington, DC., November 28th, 2022 – On July 13th, 2022, the GreenCube satellite was launched on a Vega-C launch vehicle from the Centre Spatial Guyanais in Kourou, French Guiana. The satellite project is managed by the S5Lab research team at Sapienza University of Rome, and involves ENEA (the Italian National Agency for New Technologies, Energy and Sustainable Economic Development) and University of Naples.

The satellite carries environmental and thruster payloads and as well as a 70cm digipeater for amateur radio use.

At the request of the GreenCube teams, AMSAT hereby designates the satellite as **Italy-OSCAR 117 (IO-117)**.

We congratulate all the involved teams, thank them for their contribution to the amateur satellite community, and wish them continued success on this and future projects.



Cleveland, OH – November 16th, 2022 – The World Wide RadioOperators Foundation (WWROF) is pleased to announce a new scholarship program.

The WWROF will award up to two scholarships of \$2500 each to amateurs who demonstrate active on-the-air operation, including entering contests or achieving awards such as DXCC or WAS. There are no restrictions on applicant nationality, place of residence, location of institution, or intended field of study. Preference will be given to applicants 25 years of age or younger.

The WWROF scholarships will be administered by the ARRL Foundation. Online applications are now being accepted for the 2023 awards. The deadline is Wednesday, January 4th, 2023, at 12:00 PM (noon) EST (1700 UTC).

WWROF Chairman Tim Duffy K3LR commented, "We have received several donations earmarked for Youth programs. The WWROF created these scholarships to enable active young operators to continue their studies."

For information on applying for these scholarships, see <https://www.arrl.org/scholarship-descriptions>.

— Doug Grant K1DG



TDXB Online

Ward Silver NØAX, President, YASME Foundation

St. Charles, MO, November 25th, 2022 – YASME is pleased to announce that the entire set of issues of *The DX Bulletin (TDXB)* have been published on the YASME website at www.yasme.org/dx-bulletin.

Edited by Jim Cain K1TN, the newsletter focused on DX news and related information. YASME founders, Lloyd and Iris Colvin, W6KG and W6QL, used *TDXB*, published between 1979 and 1986, for news and updates on their world-wide DXpeditions.

TDXB comprised 324 issues comprising 1400 pages and some 700,000 words with a world-wide circulation of more than 2000 subscribers. There is a lot of interesting history in those pages!

If you enjoy reading these newsletters, you'll also enjoy downloading *YASME: The Danny Weil and Colvin Expeditions*, also written by Cain and available for free download on the YASME website.

Hamvention 2023 Theme Announced

Michael Kalter W8CI, Spokesperson, HV23

Dayton, OH, November 10th, 2022 – The Hamvention team is pleased to announce the HV23 theme: Innovation!

This is an exciting theme because we are confident it encompasses the world of Amateur Radio today in just one word. There are so many exciting innovations worldwide in Amateur Radio; we want to capture the spirit and expect to see many of these throughout the coming year, as well as presented at HV23.

Will you be involved in an "Innovation!" with us?

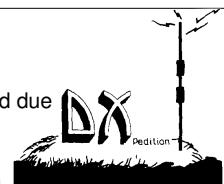


Meeting Minutes continued from Page 4

- + Curtis (KB3CMT) to reach out to Rick Bell to try and get contact information for Vernard who is our contact at the St. Clair Hospital

Motion to adjourn by Bill (W3WH), second by Larry (K3VX). Carried
Adjourned at 7:58 PM 11/3/2022

DX News Briefs



The **DXØNE** DXpedition to Spratly has been postponed due to "safety issues." A rescheduled date has yet to be announced.

LA7GIA has posted that the **3YØJ** web page has been updated with propagation predictions, based on their actual antenna setup. More information at <https://www.3y0j.no/propagation>. The team should be QRV for approximately 21-22 days starting in January. More information on the DXpedition at <http://www.3y0j.no> and <https://www.facebook.com/groups/3093983840726129>

FT4YM has been spotted operating from Concordia station, **AN**, and Petrels Island (AN-017). He is expected to be in AN through March 2023, operating from different AN bases as his duties require for the French Polar Institute. QSL as directed.

5H3FM is QRV through 13 December, primarily 20 15 & 10 SSB & FT8. QSL via HB9DSP

T88RC will be QRV 30 November through 5 December, HF, SSB and FT8. QSL as directed.

TO9W will be QRV 30 November through 9 December with a 5 operator team. QRV on HF, priority to 160 80 & 40, with special emphasis on CW. They plan to use real time logging from Club Log. More information at <http://www.k9el.com/TO9W/TO9W.htm>. QSL via W9ILY

5UA99WS will be QRV through 23 December, 15 and 20 SSB as time permits. QSL via IK5SRF

VU2CUW will be QRV at **AT42I** from Indian Maitri Base, **AN**, for the next Antarctic season, on HF as time permits. QSL as directed.

VK2YUS will be QRV as **YJØCA** 1 – 9 December, primarily 40 meters. QSL via VK2YUS

DF2WO will again be QRV as **XT2AW** 3 – 18 December, HF, CW SSB & Digital. QSL as per his instructions on QRZ.COM

XF1S will be QRV 4 – 9 December from Tiburon (Shark) Island, NA-167, 160 – 6 (IOTA Frequencies) CW SSB & Digital. QSL via IT9EJW

S21DX will be QRV 10 - 16 December, with up to 4 stations QRV. More information at <https://s21dx.org> QSL via EB7DX

8Q7CA will be QRV 13 – 22 December, 80 -10, CW SSB & FT8. QSL via ClubLog OQRS

TI7/VE3EBW will be QRV 23 December – 4 January from the Guayabo Animal Rescue reserve, 160 – 6, FT8 CW & SSB. QSL via VE3BW

VP2MDX will next be QRV 2 January through 31 March. QSL via W2APF

F8EN will be QRV as **TR8CR** from the end of December through mid-March, 30 – 10 CW. QSL via F6AJA

QSL Routes

3B8M via MØOXO	EH2EUS via EA2TP	PA1VS via DE6VSH
4L2M via EA7FTR	ES9UKR via ESS5RY	P44W via N2MM
4L8A via MØOXO	GJ2A via MJØASP	PA1VS via DE7VSH
4L9M via R3XA	GX5BBC via G4HPE	PJ2T via W3HNK
4U1A via UA3DX	HC1DW via WØOR	PJ4A via K4BAI
7A2A via YB2DX	HG4I via HA5LN	PJ4K via KU9C
9A2Ø22ICM via 9A6KX	HH18NOV via N2OO	SN5N via SP5KP
9H/IV3CTS via YT4RA	HO2T via KU9C	SX22GAF via SV1AHH
A44A via EC6DX	HQ9X via KQ1F	SZ1KVDD via SV1ENG
A6ØFIFA/2 via EA7FTR	IB9T via IT9TOH	T05Z via N6GQ
A722FWC via A71A	IH9R via IZ1GAR	UE32DX via RQ7L
A012ØDRI via EA7AMB	K8H via W7YAQ	V25K via A3B
AP2TN via N4BAA	KH7Q via AH6NF	V47T via W2RQ
BØA via BA4TB	KP2B via EB7DX	VE2PEACE via VE2JCW
B1Z via BD1RX	KP3DX via N4AO	VK36EUDXF via VK2WN
C56DF via G3XTT	L6ØCBA via LU5CBA	VK6T via EA7FTR
C6AGU via HA7RY	LN8W via LA6YEA	VK99ØABC via VK1RAS
CS2C via OK1RF	LZ2K via LZ4AE	VP5Y via VE3RZ
CT9ABV via DL5AXX	LZ4A via LZ1YQ	WP3C via MØOXO
CX1ØOB via CX1AA	LZ6E via LZ1GU	ZW7I via PY7WM
D4Z via IK2NCJ	OT4N via ON4CN	
DX8H via SP3SUX	OT5IDPD via ON6WL	
DRØW via DJ5MW	OT7T via ON4DS	
DR45HAAN via DO9MP	OTX7AM via OZ1ACB	
EF6T via EA3AIR	OZ2W via OZ7QC	

Thanks to the NJDXA DX News Reflector, the DX-QSL Reflector, 425 DX News, OPDX News, DX Coffee, DX World.Net, ICPO Bulletin, & ARRL DX Bulletin for our **DX News** information. Thanks also to the ARRL DXCC Desk, & Bernie McClenney W3UR / The Daily DX for confirmations & additional information.



WASH Classifieds

Information shown here is as supplied to the **WASHRag**. Condition as stated, and all sales should be considered "as-is" unless otherwise noted. All subject to prior sale or withdrawal from sale at the owner's discretion. All responsibility for this information lies with the source and not the **WASHRag** or the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.**

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Antenna Zoning or PRB-1 Issues?

Contact: **Michael S. Lazaroff K3AIR, Esquire**

Lazaroff & Suhr, Attorneys at Law

277 West Main Street, Saxonburg, PA 16056

Phone: 724-352-4905

The **WASHRag** Masthead is courtesy of Jeff Murray K1NSS, creator of DASHToons & Dash the Dog Faced Ham!!

Find the online cartoons and stories of Dash the Dogfaced Ham & more at <https://www.jeffk1nnss.com> !

Shop for Dash items at his online store on Café Press, www.cafepress.com/shopdash



US Amateurs by Class as of November 29th, 2022

Novice	7,387
Technician	430,131
General	198,239
Advanced	37,131
Extra	162,011
Club	12,490
Total	847,389
All-Time High	11/28/2022

Last 90 Days:	New Amateurs	5,850
	Callsign Changes	1,481
	Class Changes	2,924
	No Longer Licensed	4,277
	All Updates (*)	22,497

(*) Includes renewals, address changes, etc.

Information gathered from FCC Daily Updates, courtesy of Hamdata.com

Latest Region 3 Sequential Calls, Issued as of November 29th, 2022:

Group A	AC3JL
Group B	KF3EU
Group C	(none available / all issued)
Group D	KC3VFW

Information gathered from FCC Daily Updates, courtesy of Hamdata.com

If you've downloaded the **WASHRag** from the N3SH web site, or picked up a copy from a friend... you can sign up to have the PDF copy sent directly to your email. You **do NOT** have to be a member of **WASH!**

Just send an email to w3wn73@gmail.com and we will take care of the rest!

Has Roadway found the tower yet?



FCC News

Courtesy of the Federal Communications Commission

WASHINGTON, November 25th, 2022—The Federal Communications Commission adopted new rules prohibiting communications equipment deemed to pose an unacceptable risk to national security from being authorized for importation or sale in the United States. This is the latest step by the Commission to protect our nation's communications networks. In recent years, the Commission, Congress, and the Executive Branch have taken multiple actions to build a more secure and resilient supply chain for communications equipment and services within the United States.

"The FCC is committed to protecting our national security by ensuring that untrustworthy communications equipment is not authorized for use within our borders, and we are continuing that work here," said **Chairwoman Jessica Rosenworcel**. "These new rules are an important part of our ongoing actions to protect the American people from national security threats involving telecommunications."

The [Report and Order](#) applies to future authorizations of equipment identified on the [Covered List](#) published by the FCC's Public Safety and Homeland Security Bureau pursuant to the Secure and Trusted Communications Networks Act of 2019. The new rules prohibit the authorization of equipment through the FCC's Certification process, and makes clear that such equipment cannot be authorized under the Supplier's Declaration of Conformity process or be imported or marketed under rules that allow exemption from an equipment authorization. The Covered List (which lists both equipment and services) currently includes communications equipment produced by Huawei Technologies, ZTE Corporation, Hytera Communications, Hangzhou Hikvision Digital Technology, and Dahua Technology (and their subsidiaries and affiliates). The new rules implement the directive in the Secure Equipment Act of 2021, signed into law by President Biden last November, that requires the Commission to adopt such rules.

The Commission also adopted a Further Notice of Proposed Rulemaking seeking further comment on additional revisions that should be made to the rules and procedures prohibiting the authorization of "covered" equipment. It also seeks further comment on potential revisions to the Commission's competitive bidding program. The Commission is also seeking comment on future action related to existing authorizations.

The new rules follow a series of other FCC initiatives to keep U.S. networks secure. In addition to today's actions and maintaining the Covered List, the FCC has prohibited the use of public funds to purchase covered equipment or services, launched the Secure and Trusted Communications Networks Reimbursement Program to remove insecure equipment that has already been installed in U.S. networks, revoked operating authorities for Chinese state-owned carriers based on recommendations from national security agencies, updated the process for approving submarine cable licenses to better address national security concerns, and launched inquiries on IoT security and internet outing security, among other actions.

New Amateur Radio License Fees Took Effect April 19th.



N3UE Woodworking

Ed Wolf N3UE has recently taken up a new endeavor... laser engraving. (See sample)

He's currently available for plaques and signs of varying shapes and designs.



Prices vary, but are very reasonable!

Interested? Contact Ed directly at n3ue11@gmail.com



WASHfest 2023

*The South Hills Hamfest — Now in our **TWENTY SEVENTH** big year!*
Sponsored by the WIRELESS ASSOCIATION OF SOUTH HILLS AMATEUR RADIO CLUB, INC.

Sunday, February 26th, 2023
8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Home Economics Building, South Park



3735 Buffalo Drive, South Park Township, PA 15129
Behind the Allegheny County Police Station on Brownsville Road
Talk-In on 146.955(-) and 443.650(+) 131.8 PL
Donation \$5



(800) 545-8881

Breakfast & Lunch will be available!



*FREE Coffee for the entire Hamfest
courtesy of HAM RADIO INSURANCE ASSOCIATES
of Canonsburg, PA*

MAIN PRIZES — *You've Got to Play to WIN!*



First Prize: Yaesu FTDX-10 *Compact HF+6M 100W SDR Transceiver*
Second Prize: To Be Announced
Third Prize: To Be Announced

Additional Hourly Door Prizes! 2 Special Black Box Prizes (Separate Drawing)!

Main Prize tickets are \$2.00 each, 3 for \$5.00, 7 for \$10, 15 for \$20, 40 for \$50, 90 for \$100

All Prizes Subject to last-minute changes

For Table Reservations, or More Information, Please Contact:

Carol Danko KB3GMN at (412) 884-1466 n3sb@comcast.net
E-mail us directly at washarc@yahoo.com Check out our website too! www.n3sh.org

Please Note: Early Table Reservations must be paid in full on or before January 31st, 2023.

Reservations received after February 1st, 2023 must include payment in full.

Reserve now... we have sold out in advance twelve years running!

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: _____ Email: _____

Address: _____ Phone: () _____ - _____

City: _____ State: _____ Zip: _____

Call Sign: _____

Tables WITH Electricity: _____ X \$15.00 = _____

Tables WITHOUT Electricity: _____ X \$12.00 = _____

5 Or More Tables w/o: _____ X \$10.00 = _____

Please make all checks payable to:
WIRELESS ASSOCIATION OF SOUTH HILLS
PLEASE MAIL RESERVATION TO:
WASHFEST 2023
c/o CAROL DANKO KB3GMN
4246 Seton Drive
Pittsburgh, PA 15227-1244

We reserve the right to resell any tables not occupied by 8 AM, unless prior arrangements have been made!



WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Membership Application, New or Renewal



I would like to join WASH! I am interested in the following type of membership: **New Membership** **Membership Renewal**

(check quarter) 	<input type="checkbox"/> 1st Qtr Jan-Mar	<input type="checkbox"/> 2nd Qtr Apr-Jun	<input type="checkbox"/> 3rd Qtr Jul-Sept	<input type="checkbox"/> 4th Qtr Oct-Dec
<input type="checkbox"/> (F1) Full Membership:	\$20.00	\$15.00	\$10.00	\$5.00
<input type="checkbox"/> (F2) Full Membership < 18 or > 65 yrs of age:	\$10.00	\$7.50	\$5.00	\$2.50
<input type="checkbox"/> (A1) Associate Membership:	\$10.00	\$7.50	\$5.00	\$2.50

(FM1) Family Membership (\$3.00 x No. of household family members): \$_____

Name(s): _____

Name: _____

Address: _____

City, State: _____

Home Phone: _____

Email Address: _____

New Members Only:

I do NOT want to be added to the Club E-Mail Reflector
 I do NOT want to be added to the Electronic Newsletter Mailing List
 [If you have an Email address, you Will be added to both lists UNLESS you choose to Opt-Out]

Signature: _____

Call Sign: _____

License Class: _____

Expires On: _____

Work Phone: _____

Birthday: _____

ARRL Member? Yes No Family ARRL Member? Yes No

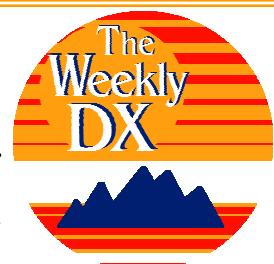
Date: _____

Amount Enclosed: \$_____

N3RDV has requested that all membership requests and renewals include an application so that his information is up to date

Please make your check or money order payable to the club treasurer, Mark Stabryla.
 The Wireless Association of South Hills, Inc. reserves the right to accept or reject new memberships or renewals.
 Please return completed membership form along with check/money order to the club treasurer or mail to:

WIRELESS ASSOCIATION OF SOUTH HILLS, INC.
 c/o Mark Stabryla N3RDV, VP/Treasurer
 1120 McKnight Drive
 Bethel Park, PA 15102-2456



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 Glenwood, MD 21738 Phone: 301-854-5650



Arghh!
 What
 Mightst
 We
 Draw
 For Ye,
 Matey?



Directions to the December Meeting Site



The December meeting will be held at Panera Breads, Galleria Mall, 1500 Washington Road, Mt. Lebanon PA 15228, upper level, at the mall entrance to the upper parking lot.

The Galleria can be accessed from Washington Road south, or Gilkeson Road West.

Meeting starts at 7 PM. If you're grabbing a bite first, we have the room starting at 6:30 PM



The WASHRag

Wireless Association of South Hills, Inc.
Ron Notarius W3WN, Editor
3395 Rosewood Drive
Castle Shannon, PA 15234-2546



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